

Claims:

- 5 1. A method for transmitting a communication from a data transmission network (A) to a receiving data transmission network (B), where the communication is directed to the transmitting network element (I) in the receiving data transmission network (B) on the basis of this network address, **characterized** in that before directing the communication, the network address of said transmitting network element (I) is
10 queried from the private name server (PD) of the receiving data transmission network (B), after which said connection is directed to said network element.
- 15 2. The method according to claim 1, **characterized** in that said private domain name server (PD) comprises in a centralized manner, in addition to the network address in question, the transmission data of the other network elements of said receiving data transmission network.
- 20 3. The method according to claim 1 or 2, **characterized** in that a query is performed from the local name server (D) of the transmitting data transmission network to the local domain name server (PD) of the receiving data transmission network (B).
- 25 4. The method according to claim 3, **characterized** in that the network address data of both said private name server (PD) and the private name servers of other data transmission networks is maintained in said local name server (D).
- 30 5. A system for transmitting communication, which system comprises a transmitting data transmission network (A) and a receiving data transmission network (B), as well as means of directing communication from the transmitting data transmission network (A), as well as a transmitting network element (I)
35 arranged in said receiving data transmission network (B) for receiving the communication, **characterized** in that the receiving

- 5 data transmission network (B) comprises a private name server (PD), from which the transmitting data transmission network (A) is arranged to query the transmission data of the network element (I) that is the target of the communication and which name server comprises, in a centralized manner, a data transmission network (B) and transmission data of network elements.
- 10 6. The system according to claim 5, **characterized** in that the transmitting data transmission network comprises a local name server (D), which is arranged to perform a query from said private name server (PD).
- 15 7. The system according to claim 5 or 6, **characterized** in that the private domain name server is a LDAP database.
- 20 8. The system according to claim 5 or 6 or 7, **characterized** in that at least one of the data transmission networks is an IMS data transmission network.
- 25 9. The system according to claim 8, **characterized** in that the transmitting network element is an I-CSCF contact point.
- 30 10. A name server (PD) for storing names, which name server (PD) is arranged in a data transmission network, **characterized** in that the name server is a private name server, which is arranged to verify, on the basis of the query, the transmission data of the desired network element and to return said transmission data to the querying party.
- 35 11. The name server according to claim 10, **characterized** in that the name server is an LDAP database.